



COSMOTHENE[®] F210-6

CHARACTERISTICS

COSMOTHENE F210-6 has excellent strength, good processibility and transparency. It is formulated with medium level of slip and antiblocking agent.

APPLICATIONS

Shopping bag, transparent bag, sealant film for lamination and many others general purpose bag.

F210-6 complies with U.S. FDA Regulation 21 CFR 177.1520 (C) 2.1, as long as it is used unmodified and processed according to standard manufacturing practices in the industries.

Note : Direct food contact is subjected to the extraction provisions of the regulation on the finished food contact article.

PHYSICAL PROPERTIES

ITEM	UNIT	F210-6	TEST METHOD
Melt Flow Rate	g/10 mins	2	ASTM D1238
Density	g/cm ³	0.922	ASTM D792
Tensile Strength at break	Mpa	15.7	ASTM D638
Elongation	%	600	ASTM D638
Stiffness	Mpa	220	ASTM D747
Melting Point	°C	108	TPC METHOD

FILM PROPERTIES

ITEM	UNIT	F210-6	TEST METHOD
Haze	%	6.0	ASTM D1003
Gloss	%	100	ASTM D2457
Slip	Tan θ	0.17	TPC METHOD
Blocking	g/100cm ²	25	ASTM D3354
Thickness	μ	30	

PROCESSING CONDITIONS

Extruder : 50mm $\varnothing$ L/D : 26, C.R : 3.4

Temperature (°C) :	C ₁	C ₂	C ₃	H	Die	Stock
	130	145	155	160	160	160

- The figures presented are typical laboratory averages, only for reference.
- The information is based on our current knowledge, is subjected to continuous updates and is intended to suggest/ recommend product applications and to provide typical data on the related properties. It should not therefore be construed as guaranteeing any specific property of the product. TPC makes no warranty of any kind, expressed or implied, regarding the accuracy of these data.

